DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

Professor Ivor Crandon CD, FRCS (Ed.) – Head of Department

WORK OF THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia & Intensive Care is one of nine clinical departments within the Faculty of Medical Sciences located at Mona in Jamaica, and is engaged in the undergraduate and postgraduate training of doctors, nurses, physiotherapists, psychologists and emergency medicine responders for Jamaica, the region and the world. The teaching staff functions as consultants at the University Hospital of the West Indies, a modern hospital of 500 beds, where the available patients facilitate the teaching of students.

Currently, greater emphasis is being placed on continuous monitoring and evaluation of both staff and students. In that regard, the department has worked hard to achieve its objectives of standardization of evaluation instruments for clerkships across campuses. Standard setting for the final examinations has now been accepted and is conducted across all the Caribbean campuses. The written segment of the final MBBS examination has been converted from straight essays to a standard-set Multiple Choice/Structured Answer Questions format in keeping with international standards. Meanwhile, the teaching staff on a whole, whose performance is continually assessed by students, has maintained average teaching scores above 4 on a scale of 1-5, with some members at times achieving a perfect score of 5.

In keeping with the strategic plan of the UWI, the department expanded the learning experience by the utilization of off-campus sites for its teaching. The Junior (Year III) surgery as well as Ophthalmology,
Anaesthesia, Orthopaedics, Radiology and Emergency Medicine (Year IV), in addition to being taught at the University Hospital of the West Indies, is now also taught at Cornwall Regional Hospital. However, the final year (Year V) teaching programme in surgery continues to be taught at the University Hospital at Mona, the Kingston Public Hospital and Cornwall Regional Hospital in Montego Bay.

Plans are far advanced for some courses to be taught at Mandeville and Spanish Town Hospitals.

In that regard, the Mandeville Regional Hospital was accredited for the teaching of final year (Year V) Surgery and Orthopaedics (Year IV), Post-Part 1 DM Orthopaedics, Ophthalmology and General Surgery. An accreditation exercise was also carried out at the Spanish Town Hospital for Accident & Emergency Medicine, Orthopaedics and General Surgery. The graduate programme will be extended to this facility soon.

The Department hosted a successful and well attended 8th Annual Caribbean Neurosciences Symposium and Charity Golf Tournament from January 28 – 30, 2010 at the Ritz Carlton, Rose Hall, Montego Bay, with Workshop in the museum, Faculty of Medical Sciences, Kingston.

The Section of Anaesthesi a & Intensive Care had its second, successful collaborative workshop/conference with Vanderbilt University School of Medicine, USA, in March 2010 with 90 anaesthetists participating. These workshops aim to improve training and knowledge in anaesthesia techniques.

In April the Department welcomed a Minimally Invasive Colorectal Laparoscopic Team headed by Professor Matthew Albert, Clinical Assistant Professor of Surgery and Program Director, Florida State University, Tallahassee. Both the lectures and the operating lists were well subscribed by surgeons from the Mona Campus, the Western Campus and community practice.

Dr. Carl Bruce was featured in the 2010 Edition of Research for Development for significant research work he undertook on “Improved Quality of Life after Brain Tumour Surgery” and “Head Injury
Management”. Dr. Jeffrey East was also featured in the same edition for significant research work he undertook on “Breast Cancer Surgery”.

The concept of providing modern surgical training became a reality when construction of the CHASE Carnegie Skills Laboratory commenced in June 2010. This laboratory will function as a simulator for basic and advanced training in Surgery and all its disciplines, Anaesthesia and Intensive Care and Emergency medicine.

The intra-cranial tumour registry has commenced data collection (demographic and clinical including outcomes, imaging, pathological) on all intra-cranial tumours presenting to the UHWI since the commencement of MR imaging in 2002 with the possibility to extend this as a national registry.

The Department assumed responsibility for the Pre-Hospital Emergency Training Programme (PHEM), taking over this programme from the Department of Community Health and Psychiatry. In the interim, Dr. Simone French has been appointed its Programme Director.

The functioning of the Department’s website has been found to be unsatisfactory so steps are being taken to have it redesigned. Sports Medicine and PHEM will now be included on the website.

Renovation of the administrative office area was completed in December 2009. The Department met its goals of high quality teaching, expansion of the teaching programmes, office renovation and teaching/research lab construction but just failed to achieve its research target of 1.66 publications per academic staff member. There were five vacancies at the end of the academic year. The projected two research grants were obtained, but the website reconstruction has not been completed.

**Honours and Awards**

**Dr. Carl Bruce** received the 2009 Latin America Osteobiology Award

**Dr. Alan Barnett** won an award for excellence in 2009 for a poster presentation from International Atomic Energy Agency (IAEA).
Fellowships

**Dr. Peter Johnson:** Awarded the Principal’s Fellowship in September 2009.

**Dr. Hilary Brown:** Two-year Vascular Surgical Fellowship at Yale University, Connecticut, USA

**Dr. Shamir Cawich:** Six-month Clinical Fellowship in Hepato-Pancreatico-Biliary (HBP), Southampton University, UK.

**Dr. Sundeep Shah:** One-year Abdominal Radiology Fellowship at the University of Michigan, USA.

**Dr. Nicole Hart:** Trauma Fellowship at University of Toronto, Canada

**Dr. Peter Johnson:** Derek Harwood-Nash Neuroimaging Fellowship, Emory University, USA

**Dr. Williams-Johnson,** Fullbright Fellowship, Wayne State University, Michigan, USA

RESEARCH

The trauma registry which the Department maintains, now contains 14,367 records and continues to provide ample research material for injury related studies.

The Department’s research output and presentations at local, regional and international conferences follows.

PAPERS PRESENTED

- **Bruce C:** “Getting the most out of your University Experience & Careers in Medicine”. University of the West Indies Orientation Day 2009 & the Faculty of Medical Sciences Orientation Day August 2009

- **Bruce C:** “Biological Materials in Spine Surgery: What’s new and how much will it cost?” XIV World Congress of the World
Federation of Neurosurgical Societies (WFNS) hosted by the American Association of Neurological Surgeons (AANS), September 4, 2009; John B. Hynes Veterans Memorial Convention Centre, Boston, Massachusetts USA

- **Bruce C:** “The role of image guidance surgery”. Seminar on ‘Technologies in Neurosurgery’; October 20, 2009, Trinidad and Tobago

- **Cawich SO:** “Vascular access surgery for haemodialysis in Belize: Is a vascular access service feasible locally?” Belize Medical Association Annual Clinical Congress, Belize CA, October 22-24, 2009

- **Barnett A:** “Patient Care”. Ethics Seminar: Medical Council of Jamaica. The Main Lecture Theatre; University Hospital of the West Indies, November 15, 2009.


- **Dr. A. Barnett:** “Patient Care...for Residents”. The Jamaica Medical Doctors Association Ethics Conference, Mona Visitors Lodge, UWI Campus, Sunday February 7, 2010

- **Dr. J. Plummer:** “Surgical Management of Colorectal Cancer”. The Jamaica Cancer Society in association with Association of Consultant Physicians and the Department of Medicine, UWI, Knutsford Court Hotel, Kingston, Sunday March 14, 2010

- **Rose REC:** “Orthopaedics in the Caribbean”. J. Robert Gladden Society, New Orleans, March 11, 2010

- **Cawich S:** “Clinical Management of Bowel Obstruction: Therapeutic Updates”. Cayman Islands Health Service Authority Clinical Conference Hibiscus Conference Centre. Georgetown Hospital, Cayman Islands, WI. April 8, 2010.
• Dr. CD McGaw: “Acute Respiratory Failure and Mechanical Ventilation”. Basic Medical Sciences, April 7, 2010

• Dr. C.D. McGaw: “Pulmonary Hypertension after surgery for Congenital Heart Disease”. The Paediatric Association of Jamaica Annual Conference April 18th, 2010


• Barnett A: Customer/Client/Patient Care.

• Johnson P: Imaging evaluation of ENT Malignancies.

• Ying B: Imaging workup of solitary lung lesion.

• Irvine R: Surgical perspectives of lung masses.

FMS 18th Annual Research Conference & Workshop on Child Health: From the Womb to Adolescence, November 11-13, 2009


• Brady-West D, West W: Clinical profile of young patients with deep vein thrombosis of the lower limbs – A seven year review.


• Tennant I, Nicholson A, Gordon-Strachan G, Thoms C, Chin V, Didier MA: A survey of physicians’ knowledge and attitudes regarding antimicrobial resistance and antibiotic prescribing practices at the University Hospital of the West Indies.
• Leslie S, West W, Clarke T, Brady-West D, Hill K, Johnson P: CT Brain findings in HIV positive patients with acute clinical presentations.


• Cawich SO, Crandon IW, McLennon N, Harding HE, Gordon – Strachan G, Isaacs M: Sublabial paraseptal trans-sphenoidal approach to excise pituitary tumours at the University Hospital of the West Indies.

• Cawich SO, Crandon IW, Harding H, McLennon N, Isaacs M: Clinical profile of pituitary tumours at the University Hospital of the West Indies.

• Cawich SO, Crandon IW, Harding H, Isaacs M, Webster D: Complicated head trauma from machete wounds: The experiences at the University Hospital.

• Morrison B, Hanchard B, Graham R, Reid M: Penile cancer in Jamaican men managed at the University Hospital of the West Indies.

• Plummer J, Williams N, Gallinger S, Chin S, Graham R, Wharfe G, Aaronson M, Pollett A: Colorectal cancer in young patients in Jamaica: Are their genetic factors unique to this population?


• Montague D, Morrison B, Aiken W, Reid M: Female urinary retention at the University Hospital of the West Indies.

Caribbean Neuroscience Symposium, Hilton/Ritz-Carlton, January 28-30, 2010

• Dr. D. McDowell - Preoperative improvements of the bone stock prior to fusion surgery

• Dr. K. Ehikmetalor - Management of Neuropathic Pain

• Dr. F. Pencle - Decompressive Craniectomy: Is it a worthwhile salvage therapy?

• Dr. M. Minott - Management of Post-operative Spinal Infections

• Dr. P. Johnson - Unidentified Bright Objects (UBO’s)

ALSO Workshop:

• Dr. K. Metalor - Ventilatory Management

• Dr. A. Crawford-Sykes - Fluid Management

• Dr. J. East - Managing Polytrauma

• Dr. D. Soogrim - ARDS

• Dr. F. Pencle - Role of Decompressive Craniotomy


• Bruce C: Surgical Approaches to the Skull Base (including hands-on laboratory)
Anterior and Posterior Clinoidectomy, Exposure of the Cavernous Sinus and Parasella Region

Posterior Petrosectomy: Drilling the Mastoid, Facial Nerve Exposure, Translabyrinthine Dissection and Exposure of the Jugular Bulb.

Far-Lateral Approach

Lateral Cervical Dissection – Suboccipital Approach

Fronto-Orbito-Zygomatic Craniotomy

Subtemporal Approach – Middle-Fossa Approach with Anterior Petrosectomy

Jamaica Emergency Medicine Association 10th Annual Conference, Jamaica Pegasus Hotel, Kingston, Sunday March 28, 2010

• Professor A. McDonald – Leadership in emergency medicine – Charting the way forward

• Dr. R. Hutson - Was my child abused? Approach to sexual assault in the ED

• Dr. B. Morrison - Female Urinary retention

Ophthalmological Society of the West Indies (OSWI) Conference, Antigua, July 7-10, 2010

• Dr Lizette Mowatt, Dr S Amarakoon - Massive Intraocular Foreign Body: Is there any hope for that Eye?

• Dr. Lizette Mowatt - An Eye for an Eye: Friend or Foe of Oedipus

• Dr Hugh Vaughan - The Paediatrician: A tale of 2 cases
PUBLICATIONS

(Peer-reviewed)

WIMJ = West Indian Medical Journal

UHWI = University Hospital of the West Indies


* RB Pierre, JM Branday, A Pottinger, A Wierenga. “Students’ Perception of the ‘Educational Climate’ at the Faculty of Medical Sciences, the University of the West Indies, Jamaica”. *WIMJ*. January 59, 1 (2010): 45-49


* SO Cawich, IW Crandon, Harding HE, N McLennon. “Clinical Presentations of Pituitary Adenomas at a University Hospital in Jamaica.” Int J Fam Pract. 2009; 7(2)


Non-Peer Reviewed


Books & Monographs:

* Dr. Jean Williams-Johnson and Dr. Eric Williams: “Sickle Cell Disease and other hereditary anaemias” Tintinnali text book of Emergency Medicine, the seventh edition [chapter 231]

(Abstracts-oral)


(Abstracts – poster)


* IW Crandon, HE Harding, SO Cawich, CAR Bruce, D Webster. “The Experience of the University Hospital of the West Indies with Complicated Civilian Head Injury from Machete Assaults”. WIMJ. 59, 2 (2010):50.


RESEARCH GRANT

Dr. Joseph Plummer was awarded $1.5M for a 3-year prospective study to set up a registry on colon cancer, to commence July 2010.

Dr. Peter Johnson received a grant (The Principal’s Award) for $2,000,000.00 for the establishment of a Brain Tumour database.

INCOME GENERATION

- William Dennis Memorial Lecture $150,000.00
- Clinical Research Meeting $20,000.00
- Anaesthesia/Vanderbilt University Workshop $30,000.00
- UWI Caribbean Neuroscience Symposium $2,425,380.49
- Consultancy income $1,439,019.34
- Skills Laboratory $14,000,000.00

**Total:** J$18,064,399.83

Prof. Neely Panton donated equipment for the Skills Laboratory valued at US$2000.00.

The Lewis Gale Medical Center in conjunction with the Blue Ridge Surgery Center, Virginia, USA, donated medical equipment and supplies valued at US$15,000.00.

PUBLIC SERVICE

Prof. Ivor Crandon

- Member, Appeal Panel of the Jamaican Anti Doping Commission
- Ministry of Local Government, Community Development & Sports
- Medical Advisor, Board. Medecus Insurance Co
Member, Jamaica Cricket 2007 Medical Directorate & Medical, Health and Anti-Doping Committee

Trustee, Mona Investment Trust Club

Chairman, Intensive Care Unit/Operating Theatre Committee

**Dr. Michael McFarlane**

Honorary Consultant, Jamaica Cancer Society

Member, Board, Jamaica Cancer Society

Examiner in Surgery, Caribbean Medical Council

President, American College of Surgeons (Jamaica Chapter)

President-Elect, Association of Surgeons in Jamaica

**Dr. William Aiken**

Member, National Health Fund Medical Advisory Panel

Member, Steering Committee of National Institute of Health, New York, USA, U54 project.

Convener/Secretary of the Mona Investment Trust Club

Consultant, Prostate Cancer Screening Clinic, Jamaica Cancer Society

Convener, Doctors on Stage for Cancer

**Dr. Christopher Rose**

Chairman, Educational Committee of the Jamaican Association of Sports Medicine

Member, Medical Team, Reggae Marathon, Negril, Jamaica

President, The Caribbean Association of Orthopaedic Surgeons

**Dr. Derek Mitchell**

Deputy President, American College of Surgeons (Jamaica Chapter)

Course Coordinator & Treasurer, Advanced Trauma Life Support, Jamaica
– Consultant, Breast Cancer Screening Clinic, Jamaica Cancer Society

Dr. Rajeev Venugopal
– Volunteer Physician, Jamaica Football Federation
– Art Director, Mehefil (Indian Cultural Show)

Dr. Hyacinth Harding-Goldson
– Member, Intensive Care Unit/Operating Theatre Committee
– Examiner, Jamaica School of Nurse Anaesthetists

Dr. Marinna Scarlett
– Chairman, Policies & Procedures Audit Committee, UHWI

Dr. Wendy Gardner
– President, Jamaica Anaesthetists’ Association

Dr. Dave McGaw
– Treasurer, Caribbean Cardiology Society

Dr Sundeep Shah
– President, Jamaica Association of Radiologists

Dr. Derria Cornwall
– Vice-President, Jamaica Association of Radiologists

Dr. Jean Williams-Johnson
– Secretary, Management Committee, Caribbean Poison Information Centre
– Member, Executive Committee, Jamaica Association of Sports Medicine
– Chairman, Advisory Committee, Accident and Emergency Medicine
– Secretary, Jamaica Association of Sports Medicine

Dr. P. Singh
– President, Jamaica Association of Sports Medicine
Team Physician, Jamaica Netball Team

Dr. Rhonda Hutson
- Sexual Assault Investigator, Centre for Investigation of Sexual Offences and Child Abuse (CISOCA)

Dr. Simone French
- President, Jamaica Emergency Medicine Association

Dr. Eric Williams
- Volunteer doctor for Jamaica National Children’s Home

INFORMATION ON STUDENTS

Undergraduate programme

MBBS Students by Year:

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<th>Year</th>
<th>Class of</th>
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<td>Class of 2014</td>
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A total of 141 medical students (Nov/Dec 2009: 19, including 3 from The Bahamas, and May/June 2010: 122) sat the MBBS (Surgery) examinations at Mona; 12 passed in November/December 2009, and 112 passed, including eight with honours, in May/June 2010.

Graduate Programme

During the period under review there were 143 residents in the DM programme in the disciplines indicated below.

General Surgery: 29; Paediatric Surgery: 5; Orthopaedics: 7; Urology: 8; Otorhinolaryngology: 7; Neurosurgery: 7; Cardiothoracic Surgery: 4;
Ophthalmology: 10; Emergency Medicine: 23; Radiology: 12; and Anaesthesia & Intensive Care: 31.

The following students were awarded DM degrees:

Dr. Dwayne Hall – DM General Surgery
Dr. Milton Harry – DM General Surgery
Dr. Carlton Chambers – DM Orthopaedics
Dr. Janine Grant – DM Ophthalmology
Dr. Roy Forde – DM Otorhinolaryngology
Dr. Jno-Becky Baptiste – DM Anaesthesia & Intensive Care
Dr. Trudy Harper-Smith – DM Anaesthesia & Intensive Care
Dr. Deonne Ranglin – DM Anaesthesia & Intensive Care
Dr. Venessa Thompson – DM Radiology
Dr. Tricia Dundas – DM Radiology
Dr. Duane Chambers – DM Radiology
Dr. Kurdell Espinosa – DM Emergency Medicine
Dr. Nigel Johnson – DM Emergency Medicine
Dr. Celeste Maycock – DM Emergency Medicine
Dr. Latesha McIntosh – DM Emergency Medicine
Dr. Kyaw Soe Myint – DM Emergency Medicine

The Special Regulations for Radiology examination and evaluation were amended during the year under review and implemented in the May/June exams of 2010.

Dr. Pavia Davis, Dr. Cordelia Nairn and Dr. Christa Wells, three of four residents from the Bahamas passed DM Emergency Medicine Part I. This was the first sitting of the examination by residents from the Bahamas.
PRIZES AWARDED:

David Alexander Walcott (Mona): Aubrey McFarlane Prize

(Awarded to the student with the best overall performance in Surgery in the May/June Final MBBS Examinations at the Mona Campus)

Rachel Thwaites (Mona): Chin Yee Prize

(Awarded to the student with the best aggregate in the MBBS end of clerkship MCQ exams in Orthopaedics, Ophthalmology, Otorhinolaryngology and Anaesthesia & Intensive Care)

Dr. Ayana Crichlow, DM Orthopaedic student, was awarded second place in the section for Research Papers by Residents and Fellows at the National Medical Association of America Conference, Orlando, Florida, for her research paper entitled “Blood Transfusion Practices in Total Joint Replacements in Jamaica”